

GenCore version 4.5  
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OM nucleic - nucleic search, using sw model

Run on: March 9, 2002, 00:48:37 ; Search time 2351.15 Seconds

(without alignments)  
175.416 Million cell updates/sec

Title: US-09-851-670-6

Perfect score: 25  
Sequence: 1 cccctagccccaccactctactctct 25

Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 1472140 seqs, 8248589755 residues

Total number of hits satisfying chosen parameters: 586436

Minimum DB seq length: 0  
Maximum DB seq length: 60

Post-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 45 summaries

Database :

GenEmbl:\*  
1: gb\_ba:\*  
2: gb\_hgt:\*  
3: gb\_in:\*  
4: gb\_om:\*  
5: gb\_ov:\*  
6: gb\_pat:\*  
7: gb\_ph:\*  
8: gb\_pl:\*  
9: gb\_pr:\*  
10: gb\_ro:\*  
11: gb\_sy:\*  
12: gb\_un:\*  
13: gb\_un:\*  
14: gb\_vl:\*  
15: em\_ba:\*  
16: em\_fun:\*  
17: em\_hum:\*  
18: em\_in:\*  
19: em\_om:\*  
20: em\_or:\*  
21: em\_ov:\*  
22: em\_pat:\*  
23: em\_ph:\*  
24: em\_pl:\*  
25: em\_ro:\*  
26: em\_sts:\*  
27: em\_sy:\*  
28: em\_un:\*  
29: em\_vl:\*  
30: em\_htgo\_hum:\*  
31: em\_htgo\_inv:\*  
32: em\_htgo\_rnd:\*  
33: em\_htg\_hum:\*  
34: em\_htg\_inv:\*  
35: em\_htg\_rnd:\*  
36: em\_htg\_other:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
1	18	72.0	18	6	ARI30062	ARI30062 Sequence
2	16.2	64.8	48	10	S81647	S81647 TCR beta V8
3	15.6	62.4	50	10	AF071699	AF071699 Mus muscu
4	15.4	61.6	33	10	MM1132	X94884 M. musculus
5	15.2	60.8	20	6	AR076724	AR076724 Sequence
6	15.2	60.8	36	6	AR056971	AR056971 Sequence
7	15.2	60.8	36	6	AR057203	AR057203 Sequence
8	15.2	60.8	36	6	AR114729	AR114729 Sequence
9	15.2	60.8	36	6	AR114961	AR114961 Sequence
10	15.2	60.8	50	10	AF071674	AF071674 Mus muscu
11	15	60.0	32	6	AX167021	AX167021 Sequence
12	15	59.2	51	6	AX116213	AX116213 Sequence
13	14.8	59.2	20	6	AR076738	AR076738 Sequence
14	14.6	58.4	38	6	I37974	I37974 Sequence 98
15	14.6	58.4	38	6	I94824	I94824 Sequence 98
16	14.4	57.6	51	6	I70326	I70326 Sequence 65
17	14.2	56.8	36	6	I39166	I39166 Sequence 20
18	14.2	56.8	31	10	M22809	M22809 Mouse Ig he
19	14.2	56.8	54	6	I70325	I70325 Sequence 64
20	14	56.0	18	6	ARI30063	ARI30063 Sequence
21	14	56.0	26	6	AX038156	AX038156 Sequence
22	14	56.0	50	10	AF071618	AF071618 Mus muscu
23	14	56.0	57	6	ARI05467	ARI05467 Sequence
24	14	56.0	57	6	I28406	I28406 Sequence 17
25	14	56.0	57	6	I65420	I65420 Sequence 19
26	14	56.0	57	6	I70318	I70318 Sequence 54
27	14	56.0	60	9	HSU49654	HSU49654 Human immun
28	13.8	55.2	18	6	AX020512	AX020512 Sequence
29	13.8	55.2	27	6	AX116212	AX116212 Sequence
30	13.8	55.2	32	9	HMTCVD1BK	L32408 Human (clon
31	13.6	54.4	21	6	I76918	I76918 Sequence 26
32	13.6	54.4	36	6	AR056941	AR056941 Sequence
33	13.6	54.4	36	6	AR057292	AR057292 Sequence
34	13.6	54.4	36	6	ARI14699	ARI14699 Sequence
35	13.6	54.4	36	6	ARI15050	ARI15050 Sequence
36	13.6	54.4	36	6	ARI32101	ARI32101 Sequence
37	13.6	54.4	36	6	ARI32987	ARI32987 Sequence
38	13.6	54.4	36	6	I62089	I62089 Sequence 64
39	13.6	54.4	38	6	AR045408	AR045408 Sequence
40	13.6	54.4	38	6	I37709	I37709 Sequence 72
41	13.6	54.4	38	6	I52460	I52460 Sequence 20
42	13.6	54.4	38	6	I94559	I94559 Sequence 72
43	13.6	54.4	43	6	I09172	I09172 Sequence 10
44	13.6	54.4	50	10	AF071606	AF071606 Mus muscu
45	13.6	54.4	57	9	AF082216	AF082216 Homo sapi

#### ALIGNMENTS

RESULT 1  
LOCUS ARI30062 18 bp DNA  
DEFINITION Sequence 54 from patent US 6187586.  
ACCESSION ARI30062  
VERSION ARI30062.1 GI:14117959  
KEYWORDS  
SOURCE Unknown.  
ORGANISM Unknown.  
REFERENCE 1 (bases 1 to 18)  
AUTHORS Monla,B.P., Cowser,L.M. and Roth,R.A.  
TITLE Antisense modulation of AKT-3 expression  
JOURNAL Patent: US 6187586-A 54 13-FEB-2001;  
FEATURES  
source Location/Qualifiers  
BASE COUNT 4 a /Organism="unknown" 3 t  
ORIGIN

16-MAY-2001

10262) 2/5  
09/17/01 922  
filed 12/29/01

Query Match 72.0%; Score 18; DB 6; Length 18;  
Best Local Similarity 100.0%; Pred. No. 3.6e+02;  
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 3 ctaggccccaccagtcta 20  
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Db 1 CTAGCCCCCAGTCTCTA 18

RESULT 2  
S81647 48 bp mRNA ROD 03-AUG-1996  
LOCUS S81647  
DEFINITION TCR beta V8.5J2.1-T cell receptor beta chain VJ region [rats,  
S81647  
VERSION S81647.1 GI:1478452  
KEYWORDS  
SOURCE  
ORGANISM Rattus sp. Lewis experimental autoimmune myocarditis.  
Rattus sp.  
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae;  
Rattus.  
1 (bases 1 to 48)  
Hanawa,H., Inomata,T., Sekikawa,H., Abo,T., Kodama,M., Izumi,T. and  
Shibata,A.  
Analysis of heart-infiltrating T-cell clonotypes in experimental  
autoimmune myocarditis in rats  
Circ. Res. 76 (1), 118-125 (1996)  
JOURNAL 96111947  
MEDLINE  
REMARK Genbank staff at the National Library of Medicine created this  
entry [NCBI g1bbag 177063] from the original journal article.  
This sequence comes from Fig. 4.

FEATURES  
source  
1..48  
/organism="Rattus sp."  
/db\_xref="taxon:10118"  
1..48  
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/gene="TCR&bpr: V8.5J2.1"  
/note="T cell receptor beta chain VJ region"  
1..48  
CDS  
/partial  
/gene="TCR<beta> V8.5J2.1"  
/note="This sequence comes from Fig. 4"  
/codon\_start=1  
/product="T cell receptor beta chain VJ region"  
/protein\_id="AAB36291.1"  
/db\_xref="GI:1478453"  
/translation="CASSELGGPSYAQDF"  
12 a 15 g 13 t

BASE COUNT 8 a 12 c 15 g 13 t  
ORIGIN

Query Match 64.8%; Score 16.2; DB 10; Length 48;  
Best Local Similarity 85.7%; Pred. No. 2.5e+03;  
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

OY 5 agggccccagctactctg 25  
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Db 27 AGGCCCCCAGTCTCTCT 7

RESULT 3  
AF071699 50 bp DNA ROD 26-JAN-1999  
LOCUS AF071699  
DEFINITION Mus musculus clone Mp7-25 immunoglobulin heavy chain D-J region  
(VH183-D-J) gene, partial sequence.  
AF071699  
VERSION AF071699.1 GI:3320556  
KEYWORDS  
SOURCE house mouse.  
ORGANISM Mus musculus

REFERENCE  
AUTHORS Klonowski,K.D., Primiano,L.L. and Monestier,M.  
TITLE Atypical VH-D-JH rearrangements in newborn autoimmune MRL mice  
JOURNAL J. Immunol. 162 (3), 1566-1572 (1999)  
MEDLINE 99136837  
REFERENCE 2 (bases 1 to 50)  
AUTHORS Monestier,M. and Klonowski,K.  
TITLE Direct Submission  
JOURNAL Submitted (12-JUN-1998) Microbiology and Immunology, Temple  
University School of Medicine, 3400 N. Broad St., Philadelphia, PA  
19140, USA

FEATURES  
source  
1..50  
/organism="Mus musculus"  
/strain="MRL +/+"  
/db\_xref="taxon:10090"  
/clone="Mp7-25"  
/issue\_type="liver"  
/dev\_stage="newborn"  
/rearranged  
<1..>50  
/gene="VH183-D-J"  
/note="possible frameshift at D-J junction during  
rearrangement may result in nonfunctional immunoglobulin  
heavy chain"  
<1..>50  
/gene="VH7183-D-J"  
10 a 17 c 12 g 10 t 1 others

BASE COUNT 10 a 17 c 12 g 10 t 1 others  
ORIGIN

Query Match 62.4%; Score 15.6; DB 10; Length 50;  
Best Local Similarity 81.8%; Pred. No. 4.9e+03;  
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

OY 2 cctaggccccaccagtctactg 23  
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Db 32 CCTAGCCCCCAGTCTCTCTG 11

RESULT 4  
MM1132 33 bp mRNA ROD 14-MAY-1996  
LOCUS MM1132/c  
DEFINITION M.musculus mRNA for T-cell receptor beta chain junction region  
(M1-132).  
X94884  
VERSION X94884.1 GI:1155154  
KEYWORDS beta-chain: junctional region; T cell receptor.  
SOURCE house mouse.  
ORGANISM Mus musculus  
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.  
1 (bases 1 to 33)  
Pullen,A.M. and Bogatzki,L.Y.  
Receptors on T cells escaping superantigen-mediated deletion lack  
special beta-chain junctional region structural characteristics  
J. Immunol. 156 (5), 1865-1872 (1996)  
JOURNAL 96173775  
MEDLINE  
REFERENCE 2 (bases 1 to 33)  
AUTHORS Pullen,A.M.  
TITLE Direct Submission  
JOURNAL Submitted (10-JAN-1996) A.M. Pullen, University of Washington,  
Howard Hughes Medical Institute, SL-15 Seattle, WA 98195, USA  
Overlaps with sequences in Nature, 309:322-325 (1984); Nature,  
310:387-391 (1984) and Nature, 311:344-349 (1984).

FEATURES  
source  
1..33  
/organism="Mus musculus"  
/sub\_species="domesticus"  
/strain="B10.BR-McV1"  
/db\_xref="taxon:10090"

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misc_feature      /rearranged
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                  /cell_type="T cell hybridomas"
                  /note="V beta 3+"
                  1..33
gene              /gene="M1-132"
                  /note="junctional region"
                  /product="T cell receptor beta chain"
                  1..8
V_segment         /gene="M1-132"
                  1..33
gene              /gene="M1-132"
                  9
N_region          /gene="M1-132"
                  10..17
D_segment         /gene="M1-132"
                  18..19
N_region          /gene="M1-132"
                  20..21
misc_feature      /gene="M1-132"
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                  22..33
J_segment         /gene="M1-132"
                  7 a      8 c      12 g      6 t
BASE COUNT
ORIGIN
Query Match      61.6%; Score 15.4; DB 10; Length 33;
Best Local Similarity 76.0%; Pred. No. 6.5e+03;
Matches 19; Conservative 0; Mismatches 6; Indels 0; Gaps 0;
QY 1 cccctagccccacagctactct 25
Db 25 CACTAGGACCCCGACGAGACTGCT 1

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RESULT 5
LOCUS AR076724 20 bp DNA PAT 30-AUG-2000
DEFINITION Sequence 89 from patent US 5959096.
ACCESSION AR076724
VERSION AR076724.1 GI:10003470
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 20)
AUTHORS Bennett,C.Frank and Dean,N.
TITLE Antisense oligonucleotides against human protein kinase C
JOURNAL Patent: US 5959096-A 89-28-SEP-1999;
FEATURES
Source 1..20
BASE COUNT 4 a 11 c 4 g 1 t
ORIGIN
Query Match 60.8%; Score 15.2; DB 6; Length 20;
Best Local Similarity 85.0%; Pred. No. 8.8e+03;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 1 ccctagccccacagctcta 20
Db 1 CCCGAGGCCGCCACACTCA 20

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RESULT 6
LOCUS AR056971 36 bp DNA PAT 29-SEP-1999
DEFINITION Sequence 1175 from patent US 5837542.
ACCESSION AR056971
VERSION AR056971.1 GI:5982548
KEYWORDS

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SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 36)
AUTHORS Grimm,S., Stinchcomb,D.T., McSwigen,J., Sullivan,S. and Draper,K.G.
TITLE Intercellular adhesion molecule-1 (ICAM-1) ribozymes
JOURNAL Patent: US 5837542-A 1175 17-NOV-1998;
FEATURES
Source 1..36
BASE COUNT 13 a 9 c 10 g 4 t
ORIGIN
Query Match 60.8%; Score 15.2; DB 6; Length 36;
Best Local Similarity 85.0%; Pred. No. 8.1e+03;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 4 taggccccacagctactg 23
Db 20 TCGGCTCATCACTACTG 1

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```

RESULT 7
LOCUS AR057203 36 bp DNA PAT 29-SEP-1999
DEFINITION Sequence 1407 from patent US 5837542.
ACCESSION AR057203
VERSION AR057203.1 GI:5982780
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 36)
AUTHORS Grimm,S., Stinchcomb,D.T., McSwigen,J., Sullivan,S. and Draper,K.G.
TITLE Intercellular adhesion molecule-1 (ICAM-1) ribozymes
JOURNAL Patent: US 5837542-A 1407 17-NOV-1998;
FEATURES
Source 1..36
BASE COUNT 13 a 9 c 10 g 4 t
ORIGIN
Query Match 60.8%; Score 15.2; DB 6; Length 36;
Best Local Similarity 85.0%; Pred. No. 8.1e+03;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 4 taggccccacagctactg 23
Db 20 TCGGCTCATCACTACTG 1

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RESULT 8
LOCUS AR114729 36 bp DNA PAT 16-MAY-2001
DEFINITION Sequence 1175 from patent US 6132967.
ACCESSION AR114729
VERSION AR114729.1 GI:14095051
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 36)
AUTHORS Grimm,S., Stinchcomb,D.T., McSwigen,J., Sullivan,S. and Draper,K.G.
TITLE Ribozyme treatment of diseases or conditions related to levels of intercellular adhesion molecule-1 (ICAM-1)
JOURNAL Patent: US 6132967-A 1175 17-OCT-2000;
FEATURES
Source 1..36

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JOURNAL Patent: WO 0129262-A 1336 26-APR-2001;

Orchid Biosciences, Inc. (US)

FEATURES Location/Qualifiers

1. .51 /organism="Homo sapiens"

/db\_xref="taxon:9606"

BASE COUNT 12 a 16 c 14 g 9 t

ORIGIN

Query Match 60.0%; Score 15; DB 6; Length 51;

Best Local Similarity 78.3%; Pred. No. 9.7e+03;

Matches 18; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 2 cctagcccccagcttactgc 24

DB 28 CCTGTGCTTACGAGCTGCTGC 6

RESULT 13

LOCUS AR076738

DEFINITION Sequence 103 from patent US 5959096.

ACCESSION AR076738

VERSION AR076738.1 GI:10003484

KEYWORDS

SOURCE Unknown.

ORGANISM

REFERENCE 1 (bases 1 to 20)

AUTHORS Bennett,C.Frank and Dean,N.

TITLE Antisense oligonucleotides against human protein kinase C

JOURNAL Patent: US 5959096-A 103 28-SEP-1999;

FEATURES

Source

1. .20

/organism="unknown"

BASE COUNT 3 a 12 c 4 g 1 t

ORIGIN

Query Match

Best Local Similarity 59.2%; Score 14.8; DB 6; Length 20;

Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 cccatgccccaccagtc 18

DB 2 CCCGAGGCCGCCAGTC 19

RESULT 14

LOCUS I37974

DEFINITION Sequence 987 from patent US 5612215.

ACCESSION I37974

VERSION I37974.1 GI:2085964

KEYWORDS

SOURCE Unknown.

ORGANISM

REFERENCE 1 (bases 1 to 38)

AUTHORS Draper,K.G., Pavco,P., McSwigen,J., Gustofson,J. and

Stinchcomb,D.T.

TITLE Stromelysin targeted ribozymes

JOURNAL Patent: US 5612215-A 987 18-MAR-1997;

FEATURES

Source

1. .38

/organism="unknown"

BASE COUNT 13 a 8 c 14 g 3 t

ORIGIN

Query Match

Best Local Similarity 58.4%; Score 14.6; DB 6; Length 38;

Matches 17; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 4 taggccccagcttactgc 24

DB 21 TCGGCTCATCAGTCTCTGC 1

Matches 17; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 4 taggccccagcttactgc 24

DB 21 TCGGCTCATCAGTCTCTGC 1

RESULT 15

LOCUS I94824

DEFINITION Sequence 987 from patent US 5731295.

ACCESSION I94824

VERSION I94824.1 GI:3939294

KEYWORDS

SOURCE Unknown.

ORGANISM

REFERENCE 1 (bases 1 to 38)

AUTHORS Draper,K.G., Pavco,P., McSwigen,J., Gustofson,J. and

Stinchcomb,D.T.

TITLE Method of reducing stromelysin RNA via ribozymes

JOURNAL Patent: US 5731295-A 987 24-MAR-1998;

FEATURES

Source

1. .38

/organism="unknown"

BASE COUNT 13 a 8 c 14 g 3 t

ORIGIN

Query Match

Best Local Similarity 58.4%; Score 14.6; DB 6; Length 38;

Matches 17; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 4 taggccccagcttactgc 24

DB 21 TCGGCTCATCAGTCTCTGC 1

Search completed: March 9, 2002, 00:48:38  
Job time: 1119 sec

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